

## PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TOSHIBA CORP

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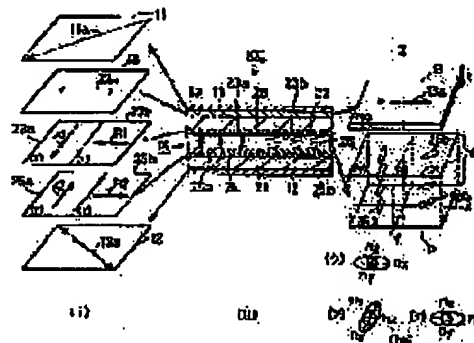
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HADO HITOSHI

## (54) LIQUID CRYSTAL DISPLAY ELEMENT

## (57)Abstract:

PURPOSE: To improve coloration and dependency upon visual angles by arranging a phase difference plate having an optical axis between at least one polarizing plates and a liquid crystal cell.

CONSTITUTION: The liquid crystal cell 14 and the phase difference plate 13 having the optical axis in the plane direction of the element are arranged between two sheets of the polarizing plates 11 and 12. The liquid crystal cell 14 forms plural pixels and the respective pixels respectively consist of two regions (a), (b). The orientation directions of both cell substrates of the respective regions are parallel and intersect orthogonally with the orientation direction of the other region. The rubbing direction of the one region is arranged in parallel with the optical axis 13a of the phase difference plate. The retardation value of the phase difference plate is set at 255 to 295 $\mu$ m and the refractive index anisotropy And of the liquid crystals of the liquid crystal cell is set at 255 to 295 $\mu$ m.



## LEGAL STATUS

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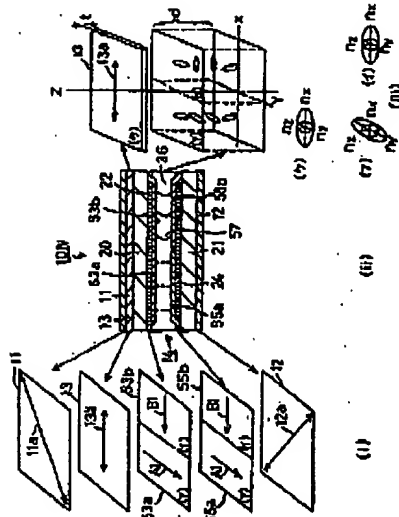




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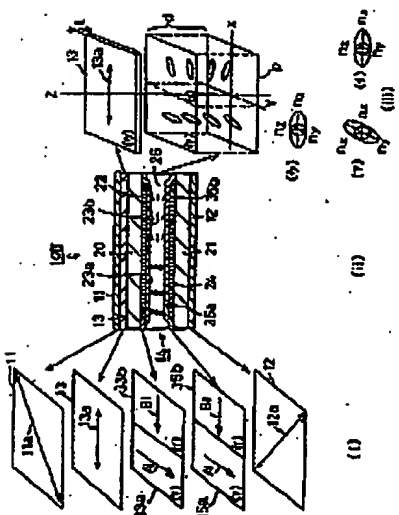
【図4】



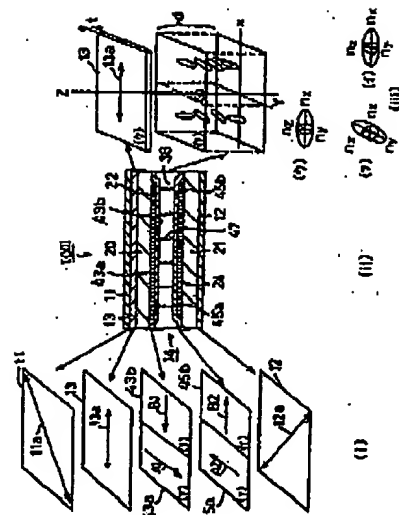
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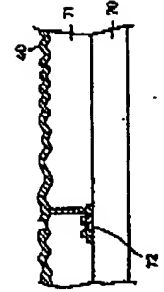
【図2】



【図3】



【図5】

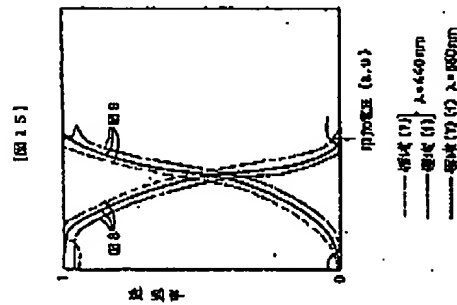
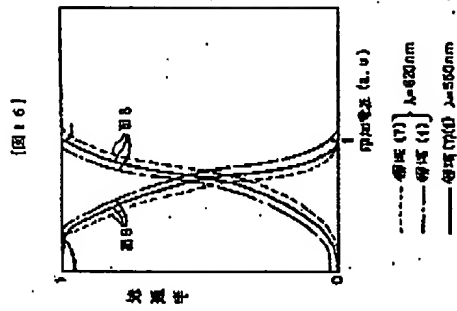


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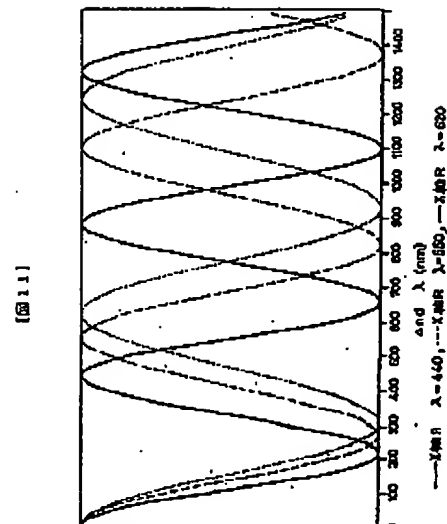
续图平7-333617

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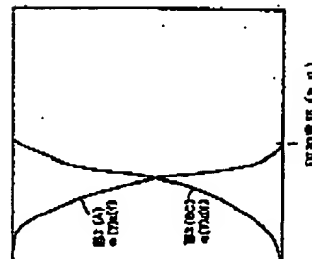


续图平7-333617

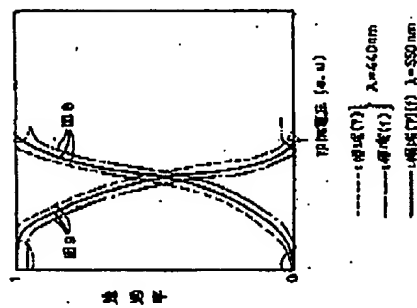
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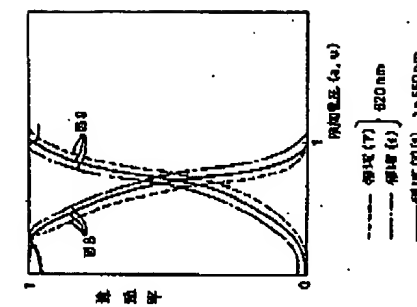
[图 13]



[图 14]



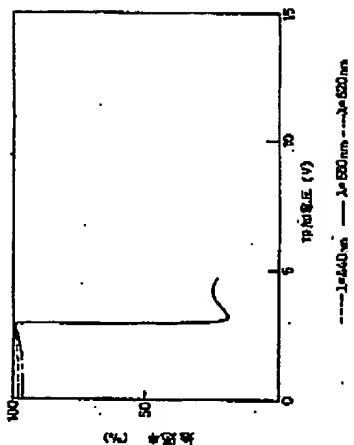
[图 17]



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(21)

(図25)



トレーサの図

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